Claims

I claim:

1   1. An apparatus for controlling devices connected to a wired network comprising:

2   a base set, connected to the wired network, including a first part of a UPnP

3   stack; and

4   a control set, connected to the base set by a communications link, including

5   a second part of the UPnP stack and a graphical user interface.

1   2. The apparatus of claim 1 wherein the communications link is wireless.

1   3. The apparatus of claim 2 wherein the wireless link is established using a

2   wireless technology including Bluetooth, Home RF, IEEE802.11a, or

3   IEEE802.11b.

1   4. The apparatus of claim 1 wherein the wireless control set includes a graphical

2   user interface.

1   5. The apparatus of claim 4 wherein the graphical user interface is a browser.

1   6. The apparatus of claim 1 wherein the wireless control set is battery powered.

1   7. The apparatus of claim 1 wherein the base set is powered by an AC power

2   supply.

1   8. The apparatus of claim 2 wherein the network includes multiple instances of the

2   base set and the control set communicates with a base set over a wireless link

3   having a highest signal strength.

1   9. The apparatus of claim 1 wherein the first part of the UPnP stack includes

2   addressing, discovery, description, eventing and control layers of the UPnP stack,

3   and the base set further comprises:

4   a wrapper application layer;

5   a base set IP layer;

6   a control set PPP layer; and

7   a base set wireless stack.

1   10. The apparatus of claim 1 wherein the second part of the UPnP stack includes a

2   presentation layer of the UPnP stack, and the control set further comprises:

3   an HTTP layer;

4   TCP/UDP layers;

5   a control set IP layer;

6   a control set PPP layer; and

7   a control set wireless stack.

1   11. A method for controlling devices connected to a wired network of UPnP

2   devices comprising:

3   performing steps of discovery, description, eventing and control layers of a

4   UPnP stack in a base set connected to the network by a wired communications

5   link, the discovery, description, eventing and control layers forming a first part of a

6   UPnP stack of a UPnP control point; and

7   performing steps of a presentation layer in a wireless control set connected

8   to the base set via wireless communications link, the presentation layer forming a

9   second part of the UPnP stack of the UPnP control point.